

AMENDMENTS TO THE CLAIMS

This Listing of Claims replaces all prior versions, and listings, of claims in this application.

1-14 (Cancelled).

15. (Currently Amended) A method, comprising:
situating a sensor device in a body; and
identifying a position of the sensor device relative to an internal coordinate system using an imaging technique, wherein the internal coordinate system is based on a plurality of markers at least one of which is other than the sensor located in the body having an imageable marker property, and wherein identifying comprises identifying the position relative to at least one of the plurality of markers.

16. (Original) The method of claim 15, wherein situating comprises implanting the sensor device in the body.

17. (Currently Amended) The method of claim 16, wherein implanting comprises injecting the sensor device in the body using a needle.

18. (Original) The method of claim 15, wherein the sensor device has a length less than approximately 26 millimeters.

19. (Original) The method of claim 15, further comprising identifying the position relative to an anatomical landmark.

20. (Original) The method of claim 15, further comprising identifying the position relative to an organ.

21. (Currently Amended) The method of claim 15, further comprising tracking the position of the sensor device over time and as the body moves.

22-23 (Canceled).

24. (Original) The method of claim 15, further comprising monitoring in vivo at least one physiological parameter of the body.

25-30 (Cancelled).

31. (Currently Amended) A method, comprising:
monitoring in vivo at least one physiological parameter ~~associated with~~ of a body;

imaging a plurality of markers and an in vivo landmark in a first imaging modality;

correlating a position of the in vivo landmark relative to at least one of the plurality of markers;

imaging the plurality of markers in a second modality, wherein the in vivo landmark is not imageable in the second modality; and

determining the position of the in vivo landmark relative to at least one of the plurality of markers based on the correlating.

32. (Original) The method of claim 31, wherein the in vivo landmark is an anatomical landmark.

33. (Original) The method of claim 31, wherein the in vivo landmark is a sensor device.

34. (Original) The method of claim 33, wherein the sensor device comprises at least one of the plurality of markers.

35. (Original) The method of claim 31, wherein the first modality is CT imaging.

36. (Original) The method of claim 35, wherein the second modality is ultrasound imaging.

37. (Original) The method of claim 35, wherein the second modality is MV imaging.

38. (Original) The method of claim 35, wherein the second modality is kV imaging.

39. (Original) The method of claim 31, wherein the first modality is magnetic resonance imaging.
 40. (Original) The method of claim 39, wherein the second modality is MV imaging.
 41. (Original) The method of claim 39, wherein the second modality is kV imaging.
 42. (Original) The method of claim 39, wherein the second modality is ultrasound imaging.
 43. (Previously Presented) The method of claim 15, further comprising implanting the sensor through injection.
- 44-52 (Cancelled).